

Bringing Indiana Libraries and their Collections to Wikidata

Mairelys Lemus-Rojas & Jere Odell
August 21, 2018



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Outline

- IUPUI's Wikimedia activities
- Introduction to Wikidata
- **Activity 1** (User page & gadgets)
- External Tools: Visualization
- **Activity 2** (Descriptions)
- External Tools: Contributing
- *Lunch (UL 0110)*
- **Activity 3:** Contribute an item for an institution
- Wikidata Query Service
- **Activity 4:** Contribute an item for a person

What has IUPUI University done so far?



- Hosted Wiki related events (Wikipedia, Wikimedia Commons, Wikidata) to bring awareness and train library staff
 - Contributed entries for open access journals in Wikidata using the Mix-n-Match tool (254 items)
 - Contributed open citations to Wikipedia using the OAbot (343 citations)
 - Participated in the #1Lib1Ref campaign (33 citations)
 - Hosted Wikidata edit-a-thon focused on IUPUI women faculty members (744 edits)
 - Hosted Wikidata edit-a-thon focused on Women Creating Excellence at IUPUI (1046 edits, 15 items)

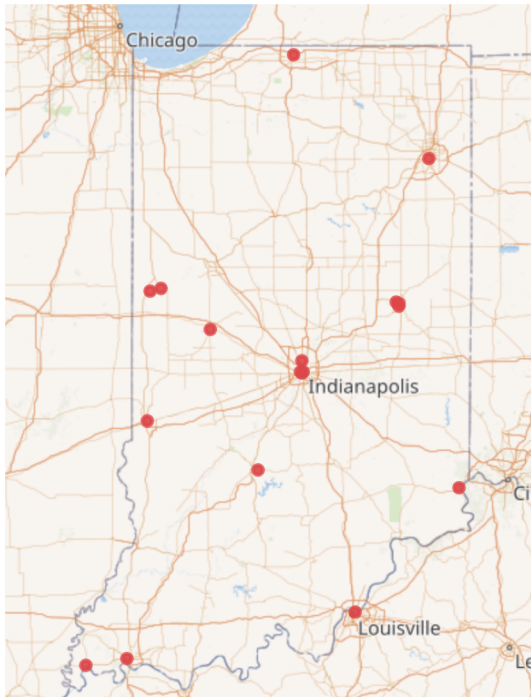
What are we working on?

- Adding links to IUPUI Digital Collections and Finding Aids for existing Wikipedia articles
- Creating items in Wikidata for creators of archival collections
- Creating items in Wikidata for women faculty members across all disciplines and their scholarship

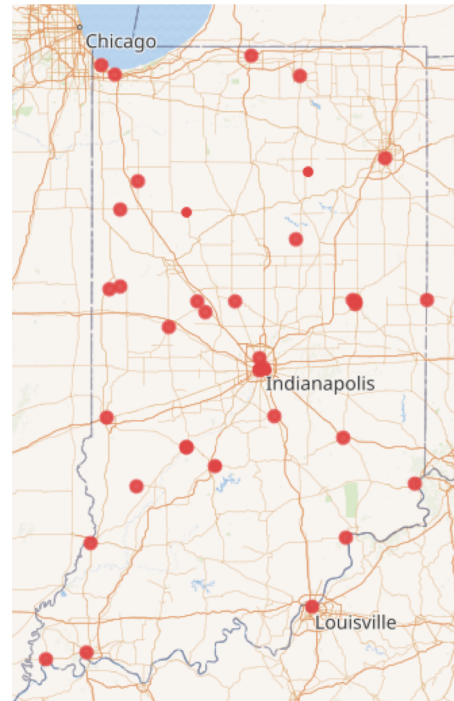
Why Wikidata? Why in libraries?

Contributing to Wikidata aligns with our professional values and with our missions to serve our communities

- Data for and about our communities
- Stand up and be counted
- We own this
- Open linked data



November 2017



August 2018

Wikidata Query used to render maps

```
#Map of Libraries in Indiana
# Indiana libraries on a map (must have
coordinates!)
#defaultView:Map
SELECT ?library ?coords ?libraryLabel
WHERE {
  SERVICE wikibase:label {
    bd:serviceParam wikibase:language
"[AUTO_LANGUAGE],en". }
  ?library (wdt:P31/wdt:P279*)
wd:Q7075.
  ?library wdt:P625 ?coords.
  ?library wdt:P131 wd:Q1415.
}
LIMIT 100
```

What are you getting out of this...

Knowledge:

- What is Wikidata?
- What is linked-data?
- How is data structured in Wikidata?
- How can this data be searched and used?
- What external tools can be used?

Skills:

- Create/edit a user page
- Edit existing Wikidata entries
- Contribute entries to Wikidata
- Provide sources for statements

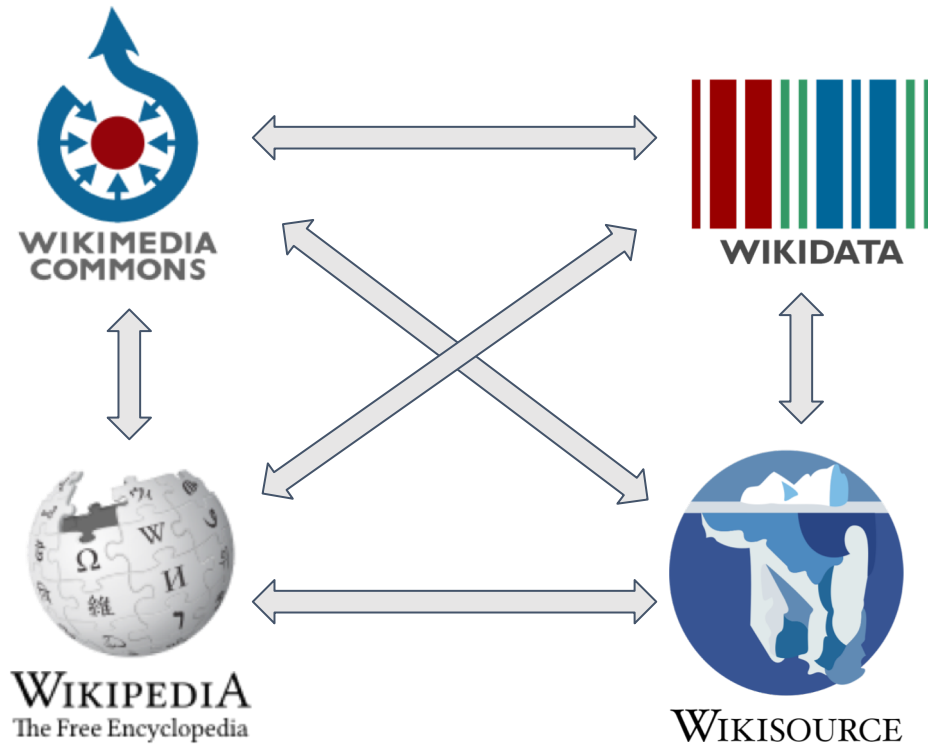


[Wikimedia Projects Edit Counter](#)

What is Wikidata?

- Newest project of the Wikimedia Foundation
- Developed in 2012
- Sister project to Wikipedia
- Free knowledge base
- Stores structured linked open data
- Multilingual
- Centralized repository
- Read and edited by humans and machines
- Statements of facts
- Uses defined properties

Wikimedia Projects Interlinking



Dante Alighieri

From Wikipedia, the free encyclopedia

"Dante" redirects here. For other uses, see [Dante \(disambiguation\)](#).

Durante degli Alighieri (Italian: [duˈrante deʎʎ aliˈɡjeːri]), commonly known by his short name **Dante Alighieri** or **simply** as **Dante** (Italian: [ˈdante]; /ˈdaːntɛ/, UK also /ˈdænti, -tɛ/; c. 1265 – 1321), was a major **Italian poet** of the **Late Middle Ages**. His *Divine Comedy*, originally called *Comedìa* (modern Italian: *Commedia*) and later christened *Divina* by **Giovanni Boccaccio**, is widely considered the most important poem of the Middle Ages and the greatest literary work in the **Italian language**.^{[1][2]}

place of birth

[Florence](#)

2 references

imported from Wikimedia project [German Wikipedia](#)

stated in [Integrated Authority File](#)

retrieved 10 December 2014

date of death

14 September 1321

2 references

stated in [Integrated Authority File](#)

retrieved 9 April 2014

Works [\[edit \]](#)

Poetry [\[edit \]](#)

- *Divina Commedia* (Inferno - Purgatorio - Paradiso)
- *Le Rime*, collection of poetry
- *Eclogues* (1319–1320) first published 1719.

Prosimetra [\[edit \]](#)

- *Vita Nuova* "The New Life" (1295)
- *Convivio* "The Banquet" (ca. 1305) ([External scan](#))

Prose [\[edit \]](#)

- *De vulgari eloquentia* "On Eloquence in the vernacular" (ca. 1305)
- *De Monarchia* (ca. 1310)

Compilations [\[edit \]](#)

- *Dante and His Circle*, translations by [Dante Gabriel Rossetti](#) ([transcription project](#))
- *Dante, Petrarch, Camoens: CXXIV Sonnets*, translated by [Richard Garnett](#) (1896) ([External scan](#))
- *The Divina Commedia and Canzoniere of Dante Alighieri*, 2 vols., translated by [Edward Hayes Plumptre](#)
 - Volume I: ([transcription project](#)); Volume II: ([transcription project](#))

Wikidata helping other wiki projects

- Wikimedia Commons
 - Structured Data on Commons
- Wikipedia
 - Article Placeholder
 - Infoboxes

Infobox Example in Wikipedia + link to Wikidata



WIKIPEDIA
The Free Encyclopedia

[Main page](#)
[Contents](#)
[Featured content](#)
[Current events](#)
[Random article](#)
[Donate to Wikipedia](#)
[Wikipedia store](#)

Interaction

[Help](#)
[About Wikipedia](#)
[Community portal](#)
[Recent changes](#)
[Contact page](#)

Tools

[What links here](#)
[Related changes](#)
[Upload file](#)
[Special pages](#)
[Permanent link](#)
[Page information](#)
[Wikidata item](#)
[Cite this page](#)

[Not logged in](#) [Talk](#) [Contributions](#) [Create account](#) [Log in](#)

[Article](#) [Talk](#)

[Read](#) [Edit](#) [View history](#)

Lilly Library

From Wikipedia, the free encyclopedia

Coordinates: 39°10′04″N 86°31′08″W﻿ / ﻿

The **Lilly Library**, located on the campus of [Indiana University](#) in [Bloomington, Indiana](#), is a world-class rare book and manuscript library in the United States. At its dedication on October 3, 1960, the library contained a collection of 20,000 books, 17,000 manuscripts, more than fifty oil paintings, and 300 prints. Currently, the Lilly Library has 8.5 million manuscripts, 450,000 books, 60,000 comic books, 16,000 mini books, 35,000 puzzles, and 150,000 sheets of music.

Contents [[hide](#)]

- [History](#)
- [Collection](#)
 - [Ruth E. Adomeit collection](#)
 - [Michael E. Uslan Collection](#)
 - [Jerry Slocum Mechanical Puzzle Collection](#)
 - [French Revolution Documents](#)
 - [Bernardo Mendel Collection](#)
 - [James Whitcomb Riley Collection](#)
 - [Film, Radio & Television Collection](#)
 - [Sheet Music](#)
 - [Dale Messick Collection](#)
 - [Mystery Writers of America Collection](#)
- [Other collections](#)
- [Library location](#)
- [Lilly Library at Duke University](#)

Lilly Library



The Lilly Library

Established 1960; 58 years ago

Location [Bloomington, Indiana, U.S.A.](#)

Coordinates 39°10′04″N 86°31′08″W﻿ / ﻿

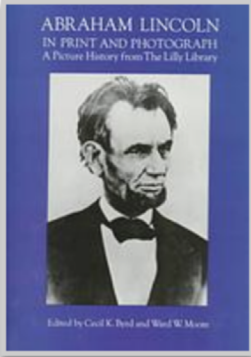
Branches N/A







Collection





Size Approximately 450,000 [books](#), 8.5 million [manuscripts](#), 60,000 [comic books](#), 16,000 [mini books](#), 35,000 [puzzles](#), and 150,000 pieces of [sheet music](#).^[1]



Access and use



Wikidata in VIAF (Virtual International Authority File)





Lilly Library (Indiana University, Bloomington)      


Lilly Library    

Indiana University., Lilly Library  


Lilly library Bloomington, Ind.  












Lilly Library (Bloomington). 


Indiana University. The Lilly Library 

Lilly Library (Indiana University, Estados Unidos) 

VIAF ID: 150990018 (Corporate)
Permalink: <http://viaf.org/viaf/150990018>

 Preferred Forms

-  110 2 _ [_ta Indiana University * Lilly Library](#)
-  210 0 2 [_ta Indiana University. _tb Lilly Library](#)
-  110 2 _ [_ta Indiana University. _tb The Lilly Library](#)
-  110 2 _ [_ta Lilly Library](#)
-  110 2 _ [_ta Lilly Library](#)
-  110 2 _ [_ta Lilly Library](#)
-  151 _ _ [_ta Lilly Library](#)
-  110 2 _ [_ta Lilly Library \(Bloomington\).](#)
-  110 2 _ [_ta Lilly Library \(Indiana University, Bloomington\)](#)
-  110 2 _ [_ta Lilly Library \(Indiana University, Bloomington\)](#)
-  110 2 _ [_ta Lilly Library \(Indiana University, Bloomington\)](#)



Wikidata
WKP-Q6548368

Activity

Create User Page

- Go to Wikidata: www.wikidata.org
- Click on **Log in** on the top right-hand side and enter your credentials
- Click on your **username** (link in red) to start creating your page
- Once you are done entering info, **Save** the page

Enable Wikidata Gadgets

DuplicateReferences – Adds a link that allows you to copy references to be used on other statements for the same item (doesn't always work well)

Reasonator – Adds a link to the Reasonator tool for every item

Drag'n'drop – Allows you drag and drop statements from Wikipedia

currentDate – Adds today's date when using the property “retrieved”

Items & Properties

Item:

- Q number
- Anyone can create one
- “instance of” or “subclass of”

Property:

- P number
- Proposal process

IUPUI University Library (Item example)

Item

IUPUI University Library
Q5975426

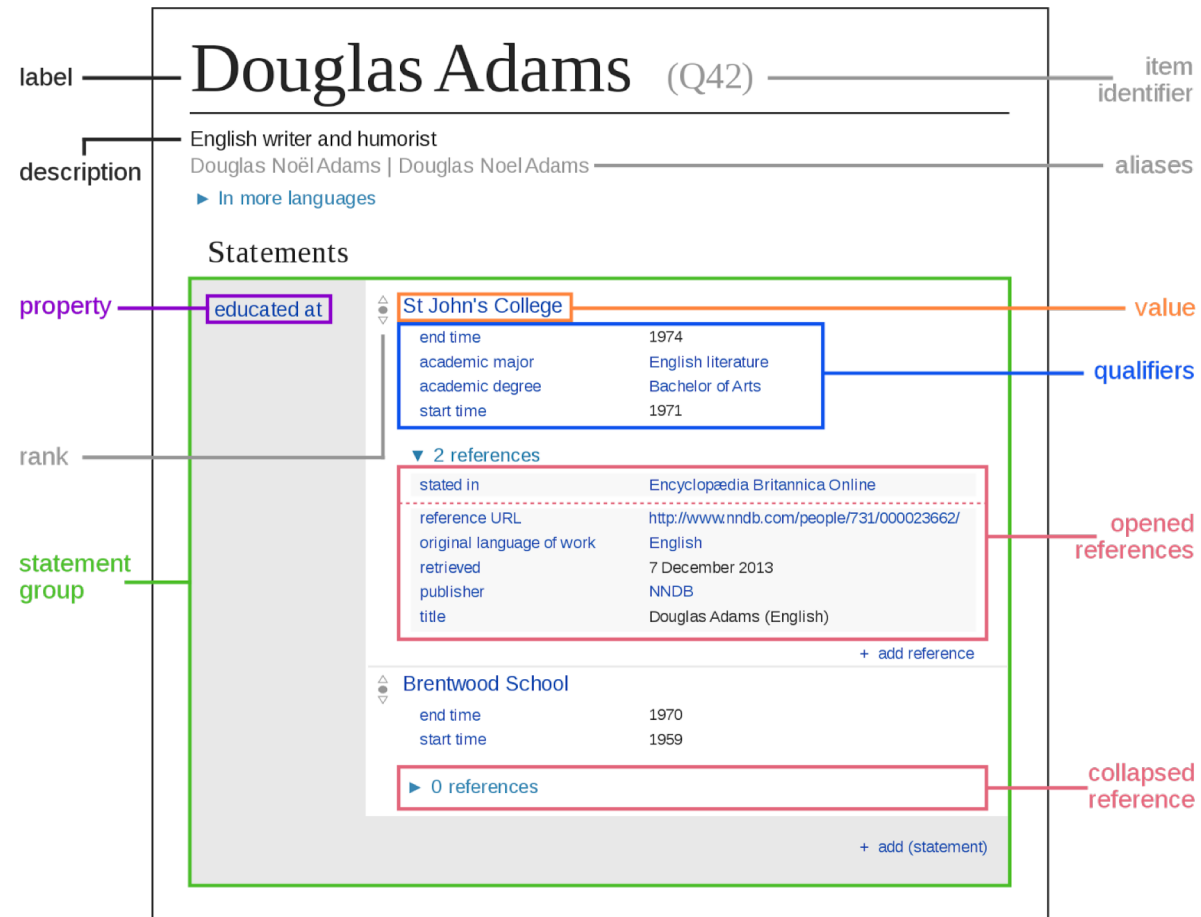
Property

instance of
P31

Value

academic library
Q856234

Wikidata Data Model



Wikidata Item: IUPUI University Library

Wikidata

Search Wikidata

IUPUI University Library (Q5975426)

University Library of Indiana University–Purdue University Indianapolis

Indiana University–Purdue University Indianapolis University Library

Contents

Statements

Identifiers

Sitelinks

Statements

instance of

library

0 references

academic library


0 references

part of

Indiana University – Purdue University Indianapolis

0 references

image



IUPUI-Library-trees.JPG

800 × 604; 129 KB

0 references

country

United States of America

1 reference

imported from Wikimedia project

English Wikipedia

located in the administrative territorial entity

Indiana

1 reference

imported from Wikimedia project

English Wikipedia

Indianapolis

0 references

coordinate location

39°46′23.2″N, 86°10′19.2″W﻿•﻿

1 reference

imported from Wikimedia project

English Wikipedia

architect

Edward Larrabee Barnes

1 reference

imported from Wikimedia project

English Wikipedia

date of official opening

8 April 1994

0 references

located at street address

755 W Michigan St, Indianapolis, IN 46202

0 references

official website

http://www.ulib.iupui.edu

1 reference

imported from Wikimedia project

English Wikipedia

Identifiers

Quora topic ID

IUPUI-University-Library

1 reference

imported from Wikimedia project

Quora

Library of Congress authority ID

no2002023865

0 references

Libraries.org ID

3618

0 references

DOI prefix

10.18060

1 reference

reference URL

http://api.crossref.org/members/7476

retrieved 8 December 2017

VIAF ID

7913148269826605230000

0 references

Sitelinks

Wikipedia (1 entry)

enwiki IUPUI University Library

Tools for Displaying/Visualizing Wikidata's Data

Reasonator: IUPUI University Library

Accessible at: <https://tools.wmflabs.org/reasonator/>

IUPUI University Library (Q5975426)

Indiana University–Purdue University Indianapolis University Library

University Library of Indiana University–Purdue University Indianapolis

Location properties

instance of Library

of Academic library

Maps



Other Wikidata items within 15km | [Geohack](#) | [TagInfo](#) | [Overpass](#) | 39.7731 / -86.172

Location

Name	Description
Earth	third planet from the Sun in the Solar System
North America	continent on the Earth's northwestern quadrant
United States of America	federal republic in North America
Indiana	state of the United States of America
Marion County	county located in the U.S. state of Indiana
Indianapolis	county seat in Marion County, Indiana, USA and Indiana federated state capital city
IUPUI University Library	University Library of Indiana University–Purdue University Indianapolis



External sites

[official website](#)

External sources

DOI prefix [10.18060](#)
Libraries.org [3618](#)
Library of Congress authority [no2002023865](#)
Quora topic [IUPUI-University-Library](#)
VIAF [7913148269826605230000](#)

External identifiers

Wikimedia projects

Current language [Wikipedias](#)
en [IUPUI University Library](#)

[Concept cloud](#)



From related items

affiliation [Jere D. Odell](#) scholarly communications librarian

[Tina Baich](#) librarian

[Kathleen Hanna](#) academic librarian

[Heather Coates](#) librarian

[David W. Lewis](#) dean of IUPUI University Library

[Katharine Macy](#) librarian

[Sara Lowe](#) librarian

[Kristi L. Palmer](#) librarian

signatory [IUPUI University Library open access policy](#) policy adopted in 2009 by the Library Faculty

archives at [Merrimon Cuninggim](#) American minister

[Anna Margaret Ross Alexander](#) American philanthropist

[Hugh Ned Brown](#) fundraising consultant

[James Warren McClure](#) Newspaper executive

[Flanner House](#) social service center

[Oram Group](#) fund raising and public relations consulting firm

[Association for Research on Nonprofit Organizations and Voluntary Action](#)

[Robert E. Nelson](#) American higher education and fund raising professional

[Maurice Gilbert Gurin](#)

[Oscar McCulloch](#) American minister, leader, and advocate of community betterment

[Larry Kressley](#)

[Commission on Private Philanthropy and Public Needs](#)

[Mary Fink](#) American civil servant

Scholia: IUPUI University Library Nearby Organizations

Accessible at:

<https://tools.wmflabs.org/scholia/>

[location](#) [organization](#)

IUPUI University Library (Q5975426)

IUPUI University Library is the university library of Indiana University–Purdue University Indianapolis. IUPUI is an urban campus of Indiana University and Purdue University in Indianapolis, Indiana. Indiana University is the managing partner. ... (from the [English Wikipedia](#))

Nearby organizations

Show entries

Search:

Distance	Organization
0.0	IUPUI University Library
0.39898571806323374	Indiana University – Purdue University Indianapolis
0.699744911473043	Indiana University School of Dentistry
3.6463092982480814	Ivy Tech Community College, Central Indiana Region
5.28103759448873	Marian University
6.4846284300699715	Martin University
7.2341705695407725	Irwin Library
7.37694591167614	Butler University
7.594421033130868	Holcomb Observatory and Planetarium
7.719567327023322	University of Indianapolis

[Edit on query.Wikidata.org](#)

Showing 1 to 10 of 126 entries

Previous 1 2 3 4 5 ... 13 Next

Scholia: IUPUI University Library Employees

[location](#) [organization](#)

IUPUI University Library ([Q5975426](#))

IUPUI University Library is the university library of Indiana University–Purdue University Indianapolis. IUPUI is an urban campus of Indiana University and Purdue University in Indianapolis, Indiana. Indiana University is the managing partner. ... (from the [English Wikipedia](#))

Employees and affiliated

Past and present employees, affiliated, and members

Show 10 entries

Search:

Works	Researcher	Description	Orcid
14	David W. Lewis	dean of IUPUI University Library	0000-0001-9711-5565
5	Jere D. Odell	scholarly communications librarian	0000-0001-5455-1471
4	Tina Baich	librarian	0000-0002-8046-2461
3	Heather Coates	librarian	0000-0003-4290-6997
1	Katharine Macy	librarian	0000-0002-6283-7143
1	Kristi L. Palmer	librarian	0000-0002-6873-1630
0	Kathleen Hanna	academic librarian	
0	Sara Lowe	librarian	0000-0003-0706-6056

[Edit on query.Wikidata.org](#)

Showing 1 to 8 of 8 entries

Previous

1

Next

Scholia: IUPUI University Library Publications

Recent publications

Show 10 entries

Search:

Publication date	Work	Researchers
2018-05-01	The Age Demographics of Librarians and the Organizational Challenge Facing Academic Libraries	David W. Lewis
2018-02-27	Funding community controlled open infrastructure for scholarly communication: The 2.5% commitment initiative	David W. Lewis
2018-02-16	From Wikidata to Scholia: creating structured linked data to generate scholarly profiles	Jere D. Odell
2018-01-01	Design Principles for Creating the Open Scholarly Commons from Elinor Ostrom	David W. Lewis
2017-09-11	The 2.5% Commitment	David W. Lewis
2017-01-01	Faculty Attitudes toward Open Access and Scholarly Communications: Disciplinary Differences on an Urban and Health Science Campus	Kristi L. Palmer, Jere D. Odell
2016-12-15	Disadvantaged Youth in Southern Scotland Experience Greater Barriers to Information Access Resulting from Poor Technology Skills, Information Literacy, and Social Structures and Norms	Heather Coates
2016-10-27	Data information literacy instruction in Business and Public Health	Katharine Macy, Heather Coates
2016-06-20	Information Literacy Course Yields Mixed Effects on Undergraduate Acceptance of the University Library Portal	Heather Coates
2016-01-01	Reimagining the academic library	David W. Lewis


[Edit on query.Wikidata.org](#)

Showing 1 to 10 of 26 entries

Previous 1 2 3 Next

Crotos

- Multilingual discovery interface for visual works
- Powered by Wikidata and Wikimedia Commons
- Accessible at: <http://www.zone47.com/crotos/>



Crotos
Cosmos
Callisto
Lab


Language English

Search


661 Results

Everything Collection : Indianapolis Museum of Art


1 2 3 4 5 ... 34 Random




In the Garden
William J. Forsyth - Indianapolis Museum of Art



Portrait of Sarah Elizabeth Morrison and Samuel Jacob Cox - Indianapolis Museum of Art



The Cornfield
John Constable - Indianapolis Museum of Art



Copy of "Politics in an Oyster House" by Richard Caton Woodville, Sr. - Indianapolis Museum of Art



LOVE

Robert Indiana - Indianapolis Museum of Art



Also known as :
LOVE sculpture

1970

sculpture

Material used : weathering steel

Collection : Indianapolis Museum of Art

Location : Indianapolis Museum of Art

exhibition : Indianapolis Museum of Art - City Hall Plaza
- Central Park - Eli Lilly and Company

Movement : pop art

Genre : public art

Depicts : love - spirituality

Indianapolis Museum of Art : www.imamuseum.org

 Item on Reasonator

 crotos/?q=6459619

Histropedia

- Accessible at: <http://histropedia.com>

Inventaire

- Accessible at: <https://inventaire.io/welcome>

Activity

Add Descriptions to Existing Items

- Follow the URL provided to access the file (Google Sheets)
- Choose an item from the list (copy it)
- Add your username next to it
- Go to Wikidata: www.wikidata.org
- Paste the label in the Wikidata search box
- Click on **edit** on the top right-hand side
- Add a description in your preferred language
- Click on **publish**

Tools for Contributing Data to Wikidata

Source MetaData

- Searches bibliographic metadata based on identifiers (PMCID, PMID, or DOI)
- Pulls in data related to the item
- Accessible at: <https://tools.wmflabs.org/sourcemd/>

QuickStatements

- Executes automatic edits in Wikidata
- Accessible at: <https://tools.wmflabs.org/quickstatements/>

Mix-n-Match

- Use for matching external datasets to existing Wikidata items
- Accessible at: <https://tools.wmflabs.org/mix-n-match/?#/>

Distributed Game

- Accessible at: <https://tools.wmflabs.org/wikidata-game/distributed/#>

Mix-n-Match Datasets Example

Metallum	Metallum bands	9% 1%
AGOHRA work	AGORHA work ID	25%
Indianapolis Museum of Art art	identifier for an artwork or other object on the Indianapolis Museum	47%
BNF Metal & Hard Rock	BNF entries labelled as Hard Rock or Metal band	100% ✓
Joconde paintings	paintings from Joconde database of french museums	13% 4%

Mix'n'match English log into WiDaR for actions Search

Indianapolis Museum of Art artwork

identifier for an artwork or other object on the Indianapolis Museum of Art website

Imported by user Magnus Manske | Refresh

Entries		
Manually matched	2005	4.1%
Automatically matched	3737	7%
No Wikidata	0	0%
Not applicable to Wikidata	0	0%
Unmatched	43127	88.2%
Total	48869	

Manually matched

Automatically matched

Unmatched

Multiple matches

No Wikidata

Not applicable to Wikidata

Site stats

Download

Game mode

Recent Changes in this catalog

Search only in this catalog

Manually sync catalog

Mobile game

Visual tool

Find images

Changes last week

Catalog report

P4674

Distributed Game Example



Items without descriptions

Add descriptions found inside Wikipedia articles

Items without descriptions

Add descriptions found inside Wikipedia articles

Alva, Mississippi [Q16159701]

الوا، ميسيسيبي

[Auto](#) | [en](#) | [fa](#)

Comunidad no incorporada en Estados Unidos

Is this a good description for this item?

unincorporated community

[Yes](#)

[Don't know](#)

[No](#)

Alva, Mississippi (Q16159701) ...

No description defined

[In more languages](#) [Configure](#)

Language	Label	Description
English	Alva, Mississippi	No description defined
Portuguese	No label defined	No description defined
Spanish	No label defined	No description defined
Traditional Chinese	No label defined	No description defined

[All entered languages](#)

Statements

instance of



[unincorporated community](#) ...

[0 references](#)


country



[United States of America](#) ...

Lunch





Wikidata's data in Library Catalogs


 **Laurentian University**
Université Laurentienne

[Library Home](#) [Electronic Journals \(A-Z\)](#) [Databases](#) [Archives](#) [Course Reserves](#) [Contact Us](#)


[Search the Catalog](#) [Advanced Search](#) [Browse the Catalog](#)

Search: Type: Keyword Format: All Formats Library: Laurentian University

The spirit of radio [sound recording] : greatest hits, 1974-1987 / Rush
[Rush](#). (Performer ). [Lee, Geddy](#). (Instrumentalist ). [Lifeson, Alex](#). (Instrumentalist ). [Peart, Neil](#). (Instrumentalist .

Neil Peart
 Canadian-American drummer, lyricist, and author
Instruments: drum kit
Birth place: [Hamilton](#)
Web site: <http://www.neilpeart.net>
[Discography \(Musicbrainz\)](#)
Twitter: [Praetorianx1](#)
Edit on Wikidata: [Q313668](#)

Neil Ellwood Peart, (; born September 12, 1952), is a Canadian-American author and retired musician, best known as the drummer of the band Rush. He was inducted into the Modern Drummer Hall of Fame in 1983, making him the youngest person ever so honoured. His drumming is known for its technic

-  CD Music recording

Available copies **Current holds**

- 1 of 1 copy available at Conifer. ([Show](#))
- 1 of 1 copy available at Laurentian University.

0 current holds with 1 total copy.

Location	Call Number / Copy Notes
Music Resource Centre	M 1679.18 R87 2003

Laurentian University: <https://laurentian.concat.ca/eg/opac/record/738234>



Data from other sources

[Una Osili](#) [Collapse](#)

Brief Biography

Abstract from Wikidata: professor of economics and philanthropic studies

<http://www.wikidata.org/entity/Q32979516>

Worked in: Indianapolis

2 Alma Maters

Source: [Wikidata](#)

Harvard University

Northwestern University

Identities on The Web

<http://id.loc.gov/authorities/names/n2004144107>

<http://viaf.org/viaf/43025147>

<http://www.wikidata.org/entity/Q32979516>

University of Wisconsin-Madison Libraries:
<https://search-ld.library.wisc.edu/catalog/9910034010302121>

Creating Item (institution)

- Follow the URL provided to access the file (Google Sheets)
- Use list of properties provided as reference

Querying and Downloading Wikidata's Data

Wikidata Query Service

- SPARQL end point
- Searches Wikidata's data
- Existing queries can be modified
- Results from the queries can be downloaded (JSON, CSV, TSV)
- Accessible at: <https://query.wikidata.org/>

Example:

- [Alfred Hitchcock timeline](#)
- [Indiana Libraries](#)

Creating Item (person)

- Follow the URL provided to access the file (Google Sheets)
- Use list of properties provided as reference



wikidata

the free wiki-like database